

# Expedition 405

## Visual core description legend

Lithology	Lithologic accessories/Fossils	Drilling/Splitting disturbance
Mud	Pumice	Slightly disturbed
Silt	Lithoclast	Moderately disturbed
Sand	Mud clast	Heavily disturbed
Silty sand	Patch of minor lithology	Soupy
Clay	Pyrite	Biscuit
Ash (tuff)	Calcareous	Slightly fractured
Siliceous ooze	Black band	Moderately fractured
Siliceous mudstone	Black pebbles	Heavily fractured
Basalt pillow lava	Isolated pebble	Drilling breccia
Basalt massive lava	Isolated granule	Gas expansion
Basalt sill	Isolated mud clast	Flow-in
Volcaniclastic mud/mudstone	Oversized clast	
Chert	Mottled/Mottling	Deformation structure (tectonic)
Dolerite	Color banding	Fault breccia
Limestone	Silt scattering	Fault gouge
Extracted core	Sand scattering	Scaly fabric
	Pumice scattering	Deformation bands
	Calcite nodule/Concretion	Shear fracture
	Carbonate cement	Fracture
	Burrow	Fracture network
	Breccia	Sediment-filled veins (vein structure)
	Spicule (non-sponge)	Normal fault
		Reverse fault, thrust
		Dark seam
		Flow-in
Shipboard samples	Sedimentary structure	Bioturbation
CARB Inorganic carbon	Coarsening upward	Light bioturbation (bedding preserved)
HS Headspace gas	Fining upward	Moderate bioturbation (bedding disturbed)
IMP Resistivity	Planar bedding (lamination)	Heavy bioturbation (bedding obliterated)
IW Interstitial water	Cross bedding (lamination)	
PAL Micropaleontology	Wavy bedding (lamination)	
PALW Paleontology from WH	Chaotic bedding	
PMAG Paleomagnetism	Flame structure	
PP Moisture and density	Load structure	
PWVD P-wave velocity	Fluid escape structure	
RMS Routine M-biological sample	Silt lamina	
SS Smear slide	Sand lamina	
TSS Thin section slide	Convolution	
XRD X-ray diffraction		
XRF X-ray fluorescence		
		Volcaniclastic texture
		Altered
		Vitric
		Crystal rich

Lithologic symbols used in J-CORES for visual core description, Expedition 405.